

High development level of the countries in Southeastern Asia assumes application of high technologies in all areas, including rocket and space machinery. Moreover, favorable geographical location and a big number of the countries with sound ambitions and economic capabilities for creation of launch sites of their own, launch vehicles and spacecraft make up the very combination of factors that calls forth further successful advancement of this area.

Today it is obvious that international cooperation is important for implementation of major space projects, which is the reason why many companies take part in international aerospace shows. This year it is the first time for Yuzhnoye Design Office running its business in Dnepropetrovsk, Ukraine, to present its unique experience and abundant traditions at LIMA air show.

Yuzhnoye Design Office was established in 1954 for development of ballistic missiles, batch production of which was conducted by Yuzhnyy Machine-building Plant. Experience gained from development of combat missile complexes was the basis for forming sound scientific and technical potential, thank to which unique products and space technologies of the world level were created later on.

Since the very first years Yuzhnoye Design Office has been the leading organization responsible for the entire work cycle that includes development, manufacture and operation of space launch systems, spacecraft development, manufacture, launching and control as well as data acquisition from the spacecraft and processing of such data.

«Космический патруль». Space Patrol.

For more than half of a century of its history Yuzhnoye Design Office in cooperation with its primary partner – Y u z h n y y Machine-building Plant – has created 13 combat missile complexes, 7 space launch systems, 40 types of rocket engines, more than 150 new materials and technologies; launched into the orbit 400 spacecraft of more than 70 types developed in-house.

Nowadays, Yuzhnoye Design Office as the principal center in Ukraine having advanced space technologies runs the strategy of dynamic advancement, cooperation with traditional strategic partners and establishment of new partner relations. Yuzhnoye Design Office takes an active part in a number of major international space programs and joint ventures.

Yuzhnoye is currently a participant in the following international programs: Sea Launch (USA, Russia, Ukraine, Norway), Dnepr (Ukraine, Russia), Land Launch (Ukraine, Russia, USA), Alcantara-Cyclone (Ukraine, Brazil), Vega (EU).

ADVANCEMENT VECTOR OF ROCKET AND SPACE MACHINERY IS POINTED TOWARDS SOUTHEASTERN ASIA




Программа «Морской старт».
Sea Launch program.

With participation of foreign partners and considering use of in-house launch vehicle Yuzhnoye Design Office is currently in the process of establishing National geostationary satellite communication system intended to provide local and international TV and radio broadcasting, Internet services and phone communication. Underway is development of new Mayak launch vehicle family that combines all advantages of existing well worked-out launch vehicles with high economy, efficiency and simplicity of operation as well as development of airborne space launch systems. Yuzhnoye Design Office takes part in development and establishment of National space programs of different countries.

In terms of cooperation prospective

Yuzhnoye Design Office offers different options for spacecraft launching into near-Earth and geostationary orbits using Cyclone, Dnepr, Zenit-3SL, Zenit-2SLB and Zenit-3SLB launch vehicles. Yuzhnoye Design Office also offers development and participation in manufacture of spacecraft, technologies and instruments, including:

- Remote Earth Sensing microsattellites (of MC-1-TK and MC-2-8 type) equipped with TV-camera and multi-band optical electronic devices, respectively,;
- Sich-3-R-type satellites for radar Earth observation and Sich-3-O-type satellites for opto-electronic Earth observation;
- Satellite constellation that calls for installation of scientific and technical equipment on the traditional platform;
- Satellite constellation to monitor emergency situations of different nature (Space Patrol).

Today Yuzhnoye Design Office is open to the entire world and ready for dynamic creative cooperation. At LIMA-2005 air show Yuzhnoye Design Office will be presented in display unit B 10. 



Старт РН «Днепр».
LV Dnepr.

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